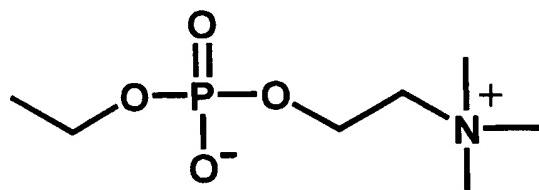


10/593544
IAP9/Rec'd PCT/PTO 20 SEP 2006
CLAIMS

[Claim 1]

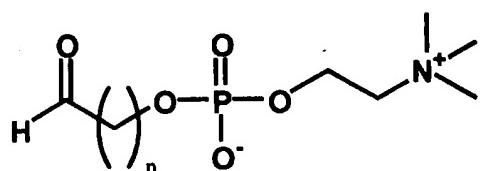
A method of manufacturing an eye lens material
5 having a process in which a phosphorylcholine group-
containing chemical compound represented by the
following formula (1) is reacted and covalently bonded
onto the surface of an eye lens material wherein the
chemical compound represented by the following formula
10 (2) is reacted and covalently bonded through acetal
bonding to the eye lens material having OH groups in
water, an organic solvent, or a water/organic solvent
mixture.

[Chemical formula 1]



(1)

[Chemical formula 2]



20 (2) n denotes a natural number 1-18.

[Claim 2]

The method of manufacturing an eye lens material of claim 1 wherein constituent monomers of said eye lens material include monomers containing a hydroxyl group.

5 [Claim 3]

The method of manufacturing an eye lens material of claim 1 wherein constituent monomers of said eye lens material include 2-hydroxyethylmethacrylate.

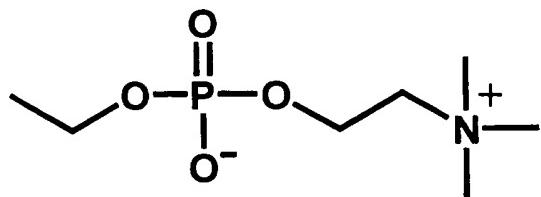
[Claim 4]

10 The method of manufacturing an eye lens material of claim 1 wherein constituent monomers of said eye lens material include polyvinyl alcohol.

[Claim 5]

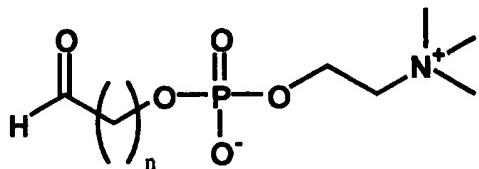
A method of manufacturing an eye lens material
15 having a process in which a phosphorylcholine group-
containing chemical compound represented by the
following formula (1) is reacted and covalently bonded
onto the surface of an eye lens material wherein OH
groups are introduced to the surface of the eye lens
20 material by means of a plasma treatment and then the
chemical compound represented by the following formula
(2) is reacted and covalently bonded through acetal
bonding in water, an organic solvent, or a water/organic
solvent mixture.

25 [Chemical formula 3]



(1)

[Chemical formula 4]



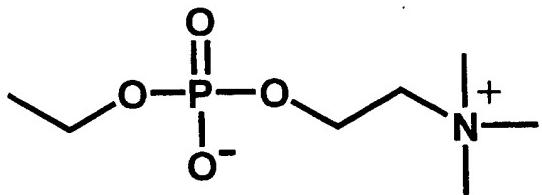
5

(2) n denotes a natural number 1-18.

[Claim 6]

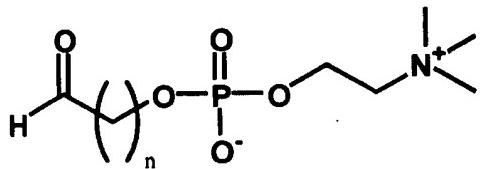
An eye lens material characteristically obtained
with a method of manufacturing an eye lens material
10 having a process in which a phosphorylcholine group-
containing chemical compound represented by the
following formula (1) is reacted and covalently bonded
onto the surface of an eye lens material wherein the
chemical compound represented by the following formula
15 (2) is reacted and covalently bonded through acetal
bonding to the eye lens material having OH groups in
water, an organic solvent, or a water/organic solvent
mixture.

[Chemical formula 5]



(1)

[Chemical formula 6]



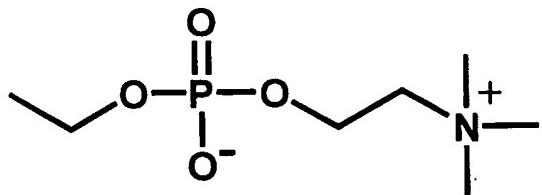
5

(2) n denotes a natural number 1-18.

[Claim 7]

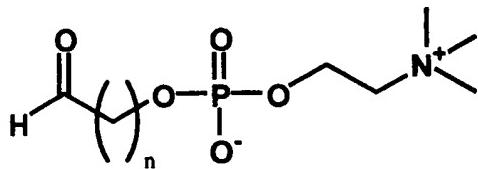
An eye lens material characteristically obtained
with a method of manufacturing an eye lens material
10 having a process in which a phosphorylcholine group-
containing chemical compound represented by the
following formula (1) is reacted and covalently bonded
onto the surface of an eye lens material wherein OH
groups are introduced to the surface of the eye lens
15 material by means of a plasma treatment and then the
chemical compound represented by the following formula
(2) is reacted and covalently bonded through acetal
bonding in water, an organic solvent, or a water/organic
solvent mixture.

20 [Chemical formula 7]



(1)

[Chemical formula 8]



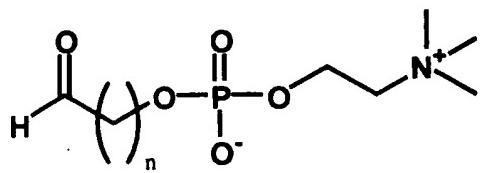
5

(2) n denotes a natural number 1-18.

[Claim 8]

A protein adsorption prevention method wherein
protein adsorption on the eye lens material is prevented
10 by means of an after-treatment in which the chemical
compound represented by the following formula (2) is
reacted and covalently bonded through acetal bonding to
the eye lens material having OH groups in water, an
organic solvent, or a water/organic solvent mixture.
15

[Chemical formula 9]



(2) n denotes a natural number 1-18.